

Claim 1
thus testing whether the person has been or is infected with adenovirus type 36p, which causes obesity and reduces cholesterol level in humans.

Claim 2
3. The method according to Claim 2 wherein the substance analyzed is blood.

Claim 5
5. (Amended) A method for the detection of virally caused obesity in an obese subject comprising the steps of
isolating a nucleic acid from the body of the subject;
testing the isolated nucleic for the presence of nucleic acid sequences from adenovirus type 36p; and
detecting the presence of said sequences wherein the detection indicates the presence of viral induced obesity in the subject.

Claim 6
6. (Amended) A method for the detection of virally caused obesity in an obese subject comprising the steps of
isolating a sample of biological tissue or fluid from the subject;
testing the sample, using an immunological probe diagnostic for adenovirus type 36p;
and
detecting the presence of adenovirus type 36p to determine if the subject has viral induced obesity.